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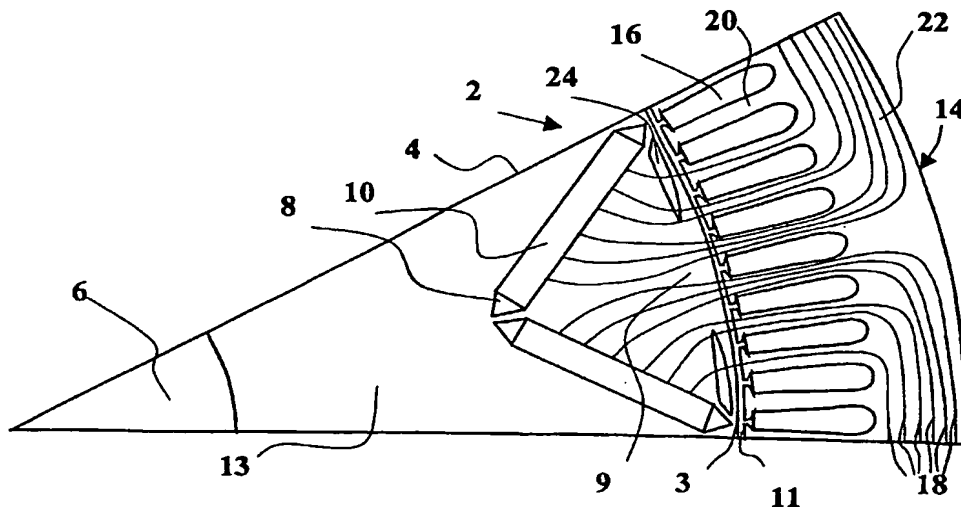
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(54) Title: A ROTOR FOR A PERMANENT-MAGNET ELECTRICAL MACHINE AND A METHOD FOR MANUFACTURING IT



(57) Abstract: The object of the invention is a rotor (4) for a permanent-magnet electrical machine, comprising an axle (6) mounted to the machine body with bearings, a rotor pack made of iron and arranged around the axle (6), as well as permanent magnets (10) adapted to the rotor pack, used for forming the magnetic poles (9) of the rotor. According to the invention, the rotor poles (9) contain a slot (24) extending from both edges of the pole (9) essentially towards the center of the pole; the slot (24) is closer to the outer circumference (3) of the rotor than the central axle (6) of the rotor. The invention also includes a method for manufacturing such a rotor.

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